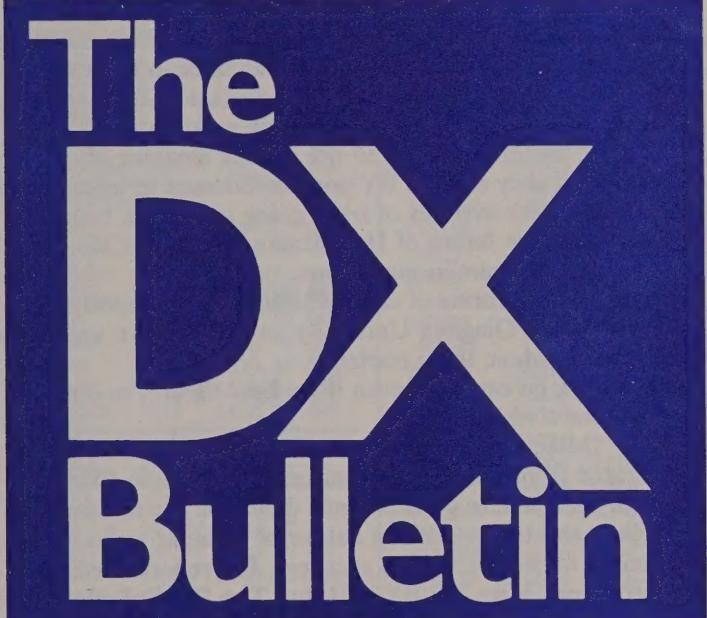


## DXpedition News

**Southern Sudan - ST0** John Fung-Loy PA3CXC was packed and ready to return to ST0 beginning June 22, but an attempted coup in Southern Sudan on June 18th forced him to cancel at the last minute. His hoped-for six-month operation has also been scrapped. Meanwhile, TZ6MG will go to Southern Sudan in late July, with equipment. He will attempt to get operating permission, but the situation there is "very difficult."

**Taiwan - BV** Denton Bramwell K7OWJ returns to Taiwan where he will be active as **K7OWJ/BV2** July 11-18. He'll be on CW and SSB from 1100Z to 0100Z, on 10, 15, 20, and maybe 40 meters, and especially likes 28510 kHz. No tail-enders, please. QSL c/o Heathkit, Benton Harbor MI 49022, with SASE. He's running Heath gear, of course: SB-1400 and SB-1000 amp. No donations requested, but, "Just tell people to buy Heath stuff so we can justify these trips!"

Edited by Chod Harris VP2ML



America's Premier Weekly Amateur Radio Publication

**Marion Island - ZS8** Peter ZS8MI has been quite active on 14172 kHz at 1300Z. He listens way up the band: 14250-260 kHz. West Coast hams should try the long path. He'll give CW QSOs on the SSB frequencies, but keep the speed way down. QSL ZS6PT.

**Ogasawara - JD1** Mr. Yamazaki JA1SGU will be /JD1 from this Japanese island July 14-17, on CW only. Watch 28005, 21005, and 14005 kHz. QSL home call, or via the JARL bureau.

**Malta - 9H** In what he says is the first Hungarian DXpedition from a Western bloc country, Janos HA8UB, with HA8RA, HA8XF, and HA8ZC will operate from Malta June 28-July 10, 160-10 meters, CW, SSB, and RTTY. They'll also be on in the IARU HF Championship July 8-9. QSL home calls, except HA8RA via HA8UB, or via the Hungarian bureau.

June 23, 1989

Issue 493

## Reserve Your Island

- Mike KD2EU and Joe K1JB plan to operate as **VK9LV** from Lord Howe Island in CQWW SSB in October. They'll be there Oct. 26-31, and will use the call **VK9AE** outside the test. Watch 36 kHz up on CW, and 14236, 21236, 28436, and 28536 kHz on SSB, listening 5-10 kHz up. QSL to KD2EU.
- W8KKF, K8CV, and others return to Grenada J3 for the CQWW SSB test. Operation will be Oct. 25-Nov. 1, with CW outside the test. More details to come.

## Shortly Noted

- The special call **4L1NV** and other stations adding /RW1N or /RA1N will celebrate the 45th anniversary of the liberation of Karelia July 1-15. Watch 3505, 7005, 14015, 21015, and 28015 kHz on CW and 3645, 7045, 14215, 21215, and 28515 kHz on SSB. Special event stations **EV1AN**, **RA1ANP**, **R1ANM** and **EM1ANS** will also commemorate the event June 27-July 1. (Thanks DXNS.)
- **ZZ5TIM** will be active on CW only, 10-40 meters, July 1-2. QSL to PP5TIM.
- The Organisasai Amatir Radio Indonesia, the Indonesian national amateur organization, celebrates its 21st year with the special call **YB21AR** July 8-9, from Danau Ranau in southern Samatra Island (OC-21).
- The Liberia Radio Amateur Association commemorates the 142nd anniversary of independence of Liberia by using the special prefix **6Z** in place of EL, during the entire month of July. QSL all 6Z contacts to Robert Wynhoff KSHUT, 12915 Memorial Drive, Houston TX 77079, **not** to Liberia. LRAA offers numbered awards for working five different Liberian stations in July. GCR, US\$5 or 10 IRCs to LRAA Awards Manager, P.O.Box 10-0987, 1000 Monrovia 10, Liberia.
- Missionaries Wyn **YB8ATI** and Carol **YB8ATY** are often on 14275-300 kHz at 11-1300Z. QSL W9NNC.
- VS6CT says the Macau authorities have not issued **XX9GP**. Don't try to QSL this pirate via KL7 bureau.
- Japanese amateurs get use of the 12 and 17 meter bands July 1. CW 18068-18118 kHz and 24890-24940 kHz, SSB 18118-18168 and 24940-24990 kHz. (Thanks Japan DX News.)
- Regulars (callsign, frequency or band, UTC): **3B8CF** 14032 1300Z or 0245Z; **3B8DB** 14014 long path 1200Z; **4K0F** 14008 0430Z; **FR5FO** 14020 long path 1145Z; **FT4ZE** 14005 11-1400Z; **JT1BR** 14026 1400Z; **JX7DFA** 14010 2330-0100Z; **JY9SR** 20M CW 0145Z; **S01MZ** 20M CW 01-0300Z; **SU1EE** 20M CW or 21026 0030-0330Z; **T5CT** 14026 1400Z; **TA2BK** 14030 2245-0100Z, 20M SSB 03-0500Z, and 21030 20-2330Z; **TT8CW** 14004 2330-0030Z; **UI8AA** 20M CW 23-0100Z; **CE0GHO** 20M SSB 0300Z; **FH8CB** 20M SSB 0400Z; **J52US** 14205-210 00-0200Z; **KC4USV** 14250-210 10-1200Z; **KH0AC** 20M SSB 10-1100Z; **S79J** 14190 12-1400Z; **T5MF** 20M SSB 1230-1400Z; **YI2LVB** 14160 long path 1450Z; **ZS8MI** 14172 13-1400Z; **KG4XO** 21033 2200 or 0300Z; **4S7EA** 21300 0000Z; **S92LB** 21280 2100Z; **TA3F** 21309 2245Z; and **HLSBDS** 28020 14-1700Z.
- Active RTTY stations: **HZ1AB** 21095 1800Z; **SU1EE** 14080 0100Z; **5V7TM** 14090 2130Z; **V85RM** 14090 2130Z; **VU2SJY** 14087 1120Z; and **TA4A** 14091 2300Z.

## Propagation

### Forecast and Historical Data

Day	Forecast	27 Days Before	55 Days Before						
		Date	Flux	A	K	Date	Flux	A	K
June 1989		5/27	171	15/24	3	4/29	184	20/32	3
23	Low Normal	5/28	169	14/17	3	4/30	175	20/24	2
24	Low Normal	5/29	171	14/18	2	5/01	178	11/12	3
25	Low Normal	5/30	179	14/15	4	5/02	181	20/22	4
26	High Normal	5/31	189	09/16	3	5/03	186	11/14	2
27	High Normal	6/01	192	11/15	3	5/04	196	17/19	3
28	High Normal	6/02	202	16/20	3	5/05	191	31/40	4
29	Low Normal	6/03	200	11/20	3	5/06	194	17/19	2
30	Low Normal								
July									
1	High Normal	6/04	218	11/18	2	5/07	200	35/45	4
2	High Normal	6/05	209	08/12	3	5/08	208	04/10	1
3	High Normal	6/06	211	14/12	3	5/09	203	06/10	1

### Propagation Watch

The solar flux sky-rocketed to a Cycle 22 high of 327 last week. A quick check of flux values from Cycle 21 didn't find any values that high. That may have been the highest flux value this decade. Unfortunately, the high flux values were accompanied by a minor geomagnetic storm, so the bands were not as good as we might expect.

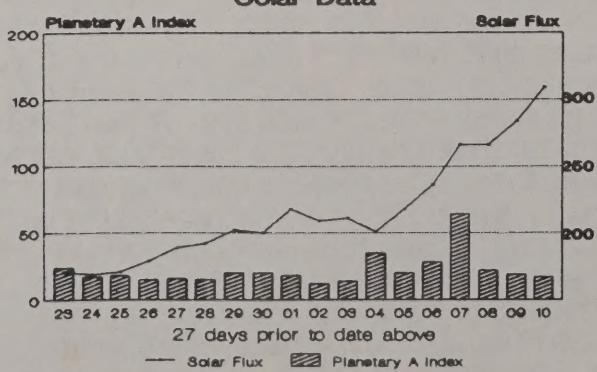
The intense levels of solar activity did cause 10 meters to open, although seasonal effects have tended to lower maximum usable frequencies (MUFs) below 25 MHz.

Solar flux levels dropped as Sunspot regions 5528 and 5533, the regions that produced much of the intense solar activity, passed around the back side of the sun. They are due back in early July. The forecast is for more moderate solar flux, perhaps dropping back to the 200 level in the next week. The geomagnetic field should also quiet down, leading to better propagation.

When the K index is 1 or 2, look for excellent long-path openings on 20 meters at local dawn. This opening continues to be one of the most productive times to look for long-haul DX. 15 meters also offers a good long-path opening, a few hours after local sunset. The rare 10-meter long path opened at the solar flux peak, with S-4 signals from Japan copied in the midwest at about 1320Z on June 16. This is three hours after sunset in Japan. Try a CQ on 10 in the evening; it just might be open! DXers should also check 17 meters in the evening, after 15 meters closes; it often stays open hours after 15 is dead.

15 and 20 meters will continue to be the DX bands, with 15 meters open worldwide in the daylight hours, and 20 staying open essentially all night on many occasions. Good hunting!

### Solar Data



### DXpedition Pays Off

The recent **XF4L** DXpedition to Socorro Island left a transceiver with the island's base commander: Fernando Qujanf. Fernando obtained his own amateur radio license, and has been active as **XF4F**. The DXpeditioners' efforts to get Fernando on the ham bands paid off handsomely last week. A visiting skin diver suffered a punctured lung, an emergency beyond the capacity of the base's dispensary. Another individual was also in need of evacuation. However, the military radio link to the mainland was wiped out by the geomagnetic storm in progress.

Fortunately, Fernando had the ham rig and the expertise to use it, and was soon on 14225 kHz talking to Emilio Berny **XE3EB**, who relayed the emergency to the Mexican Navy. The Navy immediately flew a plane to Socorro, and evacuated the patients to La Paz.

Special thanks to the **XF4L** team for getting Fernando on the air, and supplying him with the rig. This will pay dividends not only for Mexican hams, but also to any DXpeditioners who work to show the value of their sport.

### China Report

The DX Bulletin's man in China, Mike Bragassa **NS7Z**, was operating **BY1QH** from Qinghua University the night of June 3rd, and was on his way back to his hotel when Chinese troops cleared the student protesters from the city square. He has the following recommendation:

"I caution all hams to **not discuss** anything about the situation if they make a BY contact. Sources of information are suspect for avenues of truth going out of the country. I don't know the future of Ham Radio in China! China has gone back 20 years in many ways."

"But all forms of communications are suspect. And **BY1QH** is at Qinghua University, one of the two universities where this whole thing started."

"So, go cautious, even if we hear them. I'm out of China for a while."

[Mike is an experienced China observer, and has operated from many of the university stations in China. Given the Chinese government's denial of any massacre in Beijing, and the precarious nature of amateur radio in the country, his advice sounds excellent. BY reports have been scarce since Mike left **BY1QH**, but The DX Bulletin will list any such received, but stick to signal reports and names, please. -ed]

### WWVH Propagation Reports

As we reported last week, WWVH from Kauai, Hawaii, now carries the Space Environment Services Center's (SESC) geophysical alerts at 45 minutes after the hour. If you miss the 18-minute-after-the-hour report from WWVH, you can catch it from WWVH on 2.5, 5, 10, or 15 MHz. The reports will be updated every three hours, in step with the WWV reports.

Lee Wical **KH6BZF** has been spear-heading a letter-writing campaign for many years to establish this service. He suggests that any amateurs who copy the report on WWVH drop a note of thanks to Dr. Gary Heckman, Chief, NOAA/SESC, NOAA/ERL, R/E/SE2, 325 Broadway, Boulder CO 80303, in appreciation. And thanks to Lee for this new service to amateurs in the Pacific.

# B . A . N . D . P . A . S . S

Key to Bandpass: Callsign, frequency, UTC, day of the month, state. \* = long path. P = packet.  
All "portable" calls listed with country of operation first, regardless of format used on the air.

## RTTY

5N0ALE	14093	0303	11	MI
5W1AB	14091	0410	16	CA
5Z4BH	21083	1800	4	WA
9M6HF	14086	1445	6	WA
A35SA	14093	0406	11	MI
EA8BLO	14091	2310	6	OH
EA8RA	14087	2027	9	NY
EA9JV	21083	2230	7	OH
HC1SC	14095	0319	11	MI
HH2BZ	14073	0410	4	OH
HP1AC	14090	2315	7	OH
HZ1AB	21092	1810	3	OH
IT9DTX	14080	2305	6	OH
KG4XO	14098	0500	11	OH
LZ2KIM	14096	2225	10	OH
OX3GC	14095	0343	11	MI
RF1F/	14084	2238	3	HP
UA3TT				
RL8PYL	21086	0214	8	FL
SU1EE	14091	0200	31	NY
TG9VT	14098	0512	10	WA
TG9VT	21089	1535	10	OH
TR8RLA	21086	2230	7	OH
UT5RP	21088	1600	3	OH
ZS6PI	14088	1435	14	CA

## 75 Meters

DL6AAR	3792	0041	8	NH
VK3DZM	3797	1225	11	WA

## 40 Meters

7P8EG	7075	0454	11	CA
FK8FU	7060	1024	10	VA
HK5LEX	7180	0623	7	VA
PZ1DV	7016	0930	10	MI
TA1C	7003	0012	12	MA
TL8RM	7005	0442	10	CO
V85AA	7004	1330	14	OR
YC6JRV	7009	1338	1	OR
ZS6BCR *	7010	1400	10	WA

## 30 Meters

T28RW	10104	0913	14	FL
-------	-------	------	----	----

## 20 Meter CW

3B8CB *	14006	1130	12	IL
3B8CF	14031	1258	1	CA
3B8CF	14033	0243	10	MA
3B8DB	14005	1404	8	OR
3B8DB *	14011	1201	12	MN
3B8FE	14038	0300	8	MI
3B9FR	14029	1100	9	MA
3D2AG	14007	0945	6	MI
4K0F	14010	0437	15	OR
4K1DV	14034	0955	12	MA
4S7DA	14015	1130	11	MI
4S7EA	14004	0025	11	MI
4U1UN	14025	2155	8	NC
5N0SKO	14005	2300	7	PA
7P8EL *	14008	1345	8	OR
9H3IA	14012	0200	9	PA
9M2DI	14032	1113	2	CA
9M2FS *	14012	1048	11	FL
9Q5DX	14031	0114	11	MN
9V1VV	14010	0639	10	CA
9V1XR	14012	1347	11	WA
A41JV *	14011	1245	11	WA
BV2YQ	14008	1458	7	OR
BY1QH	14028	1240	3	CA
C52ICP *	14026	1207	0	MN

EA6ZY	14019	0425	10	CA
FK8FG	14033	0405	10	CA
FO5DF	14007	1115	10	NB
FR5DD	14013	1145	10	MI

## FR5FO

FR5FO	14002	0320	12	PA
FR5FO *	14015	1147	17	FL
FT4ZE	14006	1100	11	MI
HS0B	14028	1155	5	CA
HS0B *	14016	1110	12	MA
HT3A	14010	2344	10	FL
HZ1AB	14003	0009	15	FL
JT1BE *	14024	1350	8	OR
JT1BR	14032	1357	14	OR
JX7DFA	14010	2320	6	PA
JY7ZZ *	14010	1348	8	WA
JY9SR	14004	0140	12	MI
KH8AG	14041	1340	10	CA
PT8ZCB	14018	0248	15	OR
PZ1DD	14030	0510	6	CA
RB8J/	14021	0057	16	FL
RB5LVV				

## RB9Q/

RB9Q/	14018	0050	13	FL
-------	-------	------	----	----

## UB5LGM

UB5LGM				
--------	--	--	--	--

## RF1F/

RF1F/	14019	0058	12	MA
-------	-------	------	----	----

## UA3TT

UA3TT	14019	0054	16	FL
-------	-------	------	----	----

## RH8AO

RH8AO	14020	0034	15	FL
-------	-------	------	----	----

## S01MZ

S01MZ	14027	2128	15	FL
-------	-------	------	----	----

## SU1EE

SU1EE	14038	0105	16	FL
-------	-------	------	----	----

## T30AC

T30AC	14025	1105	11	OH
-------	-------	------	----	----

## T32AB

T32AB	14008	0642	12	CA
-------	-------	------	----	----

## T5CT \*

T5CT *	14025	1410	10	WA
--------	-------	------	----	----

## TA1AW

TA1AW	14030	0046	12	FL
-------	-------	------	----	----

## TA2BK

TA2BK	14029	2246	14	FL
-------	-------	------	----	----

## TA2BK

TA2BK	14026	0330	9	OR
-------	-------	------	---	----

## TC0A

TC0A	14008	2158	9	NH
------	-------	------	---	----

## TF3SZ

TF3SZ	14007	1038	6	MA
-------	-------	------	---	----

## TT8CW

TT8CW	14009	2332	15	MA
-------	-------	------	----	----

## TY1OR

TY1OR	14003	0012	8	NB
-------	-------	------	---	----

## U8BQ

U8BQ	14008	0014	12	MA
------	-------	------	----	----

## UA9G/

UA9G/	14004	0226	8	OR
-------	-------	------	---	----

## RA9FA

RA9FA				
-------	--	--	--	--

## UB6Q/

UB6Q/	14013	0142	14	MI
-------	-------	------	----	----

## RB5LD

RB5LD				
-------	--	--	--	--

## UC2WAZ

UC2WAZ	14006	0246	5	ID
--------	-------	------	---	----

## UG6GG \*

UG6GG *	14006	1445	10	WA
---------	-------	------	----	----

## VQ9SS

VQ9SS	14009	0055	11	MI
-------	-------	------	----	----

## VS6AP

VS6AP	14015	1120	11	MI
-------	-------	------	----	----

## VS6AP \*

VS6AP *	14003	1046	17	FL
---------	-------	------	----	----

## VS6UP

1 498 YOUR SUBSCRIPTION  
ALFRED A LAUN K320  
5801 HUNTLAND ROAD  
TEMBLE HILLS MD 20748

Copyright The DX Bulletin. The DX Bulletin  
ISSN 0279-8077 is published fifty times  
per year at P.O. Box 50, Fulton CA 95439.  
Telephone (707) 523-1001, Fax (707) 523-08-  
0000. Compuserve 75755.737. One-Year Subscri-  
b rates are \$29 Second Class Mail, \$38 First  
Class postage paid at Santa Rosa, CA.  
POSTMASTER: Send address changes to  
above address.

FIRST CLASS MAIL

# Calendar

**Issue 493 - June 23, 1989**

Fulton, CA 95439  
P.O. Box 50



(Changes and hot info in **boldface**.)

Amsterdam Island	FT4ZE 14005 11-1400Z	I493
Antarctica	KC4USV 14205 10-1400Z	I493
Belau - KC6 (WCI)	DL7MAF/KC6 June	I492
Benin - TY	TY1OR 14004 OO30Z	I492
Canary Islands - EA8	OH2BH/EA8 to August	I492
Cape Verde - D4	D44BS 15M SSB 17-1800Z	I492
Cayman Islands - ZF	ZF2s AH, JT July 1-28	I485
Central African Rep.	TL8NS 28500 13-1500Z	I490
Chad- TT	TT8CW 14004 2330-0100Z	I493
Chagos - VQ9	VQ9ZZ through June	I490
Conway Reef - 3D	Nov. 3-13 by OH1RY et al	I492
Dominica - J7	J79T July 4-18	I488
East Malaysia - 9M8	9M8PV 21205 0500Z, 21330 1500Z	I491
Easter Island CE0	CE0GHO 20M SSB 0300Z	I493
Eastern Carolines	KC6JC 20M SSB 1200Z	I492
Egypt - SU	SU1EE 21026 003-0330Z	I493
	20M SSB 01-0300Z	I493
Gabon - TR	SU1EK 21270-80 0030-0200Z	I492
Guantanamo - KG	TR8RLA 15M SSB 2100Z	I491
Guinea-Bissau - J5	KG4XO 21032 2200, 0300Z	I493
	J57FD by LA7FD June 20-July 4	I492
Indonesia - YB	J52US 14204-210 00-0200Z	I493
Iraq - YI	YB21AR July 8-9	I493
Ivory Coast - TU	YI1BGD 21260 0245Z	I492
Jan Mayen - JX	TU2JL 20M SSB 0430Z	I491
Jordan - JY	JX7DFA 14010 2330-0100Z	I493
Kuwait - 9K	JY9SR 20M CW 0145Z	I493
Macquarie - VK0	9K2KS 21250-265 00-0200Z	I492
Malta - 9H	VK0GC 14160-200 0400Z	I492
	9H1IN by HB9DLE July 26-Aug 3	I492
	by HA8s June 28-July 10	I493
Mariana Islands KH0	KH0AC 20M SSB 10-1100Z	I493
Marion Island - ZS8	ZS8MI 14075 CW 1300Z+	I492
	14172 1300Z, listening 14250-260	
Mauritius - 3B	3B8DB 141014 long path 1200Z	I493
	3B8CF 14032 1300, 0245Z	I493
Mayotte - FH	FH8CB 20M SSB 0400Z	I493
Mongolia - JT	JT1BR 14026 1400Z	I493
Morocco - CN	CN2AQ 20M SSB 0300Z	I492
Nicaragua - YN	YN/SM0OIG 20M CW 0100Z	I487
	YN3CC 80M 0530Z, 21005/28005 13Z	
Oblasts - 042 RJ7R	Late June, early July UT4Us	I491
003 UD6K	UB5JRR early July	I491
055 UI8U	UZ4FWD July 10-July 25	I493
045 UH8W	UZ4FWD June 25-July July 9	I493

Ogasawara - JD1	JA1SGU/JD1 July 14-17	I493
Oman - A4	A41KJ 14170-185 13-1400Z LP	I492
Reunion - FR	FR5FO 14020 long path 1145Z	I493
Revillagigedo - XF4	XF4F 14300 1500 or 1600Z	I491
Rodriguez - 3B9	3B9FR 14195 1100Z long path	I491
Rotuma - 3D	3D2XV by VK2BCH June/July	I492
Rwanda - 9X	9X5AA 21360 kHz 1900Z Tuesday	I493
St. Pierre - FP	FP/K1RH June 30-July 7	I490
Sao Tome - S9	S92LB 21280 2100Z	I493
Seychelles - S7	S79J 14190 12-1400Z	I493
Somalia - T5	T5MF 20M SSB 1230-1400Z	I493
	T5CT 14026 1400Z	I493
South Georgia - VP8	VP8BUB 28470 1630Z list	I481
South Shetlands	HL5BDS 28020 14-1700Z	I493
Southern Sudan - ST0	PA3CXC/ST0 June 22-July 1	I493
Sri Lanka - 4S	4S7EA 21300 0000Z	I493
Taiwan - BV	K7OWJ/BV July 11-18	I493
Turkey - TA	TA2BK 14030 2245-0100Z	I493
	21030 20-2330Z, 20M SSB 03-0500Z	
	TA3F 21309 2245Z	I493
United Arab Emirates	A61AC 14250 0300Z, A61AB	I492
Uzbekistan - UI	UI8AA 20M CW 23-0100Z	I493
Western Sahara - S0	S01MZ 20M CW 2130Z	I493
Zimbabwe - Z2	Z21FN 20M CW 1330Z	I492

## **DX Activities and Contests**

<u>Date</u>	<u>Event or Activity</u>	<u>Info</u>
July 1-2	Venezuelan Contest SSB	CQ
July 8-9	IARU HF Championship	OST

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following:  
KH6BZF, SESC, AA4NC, AB8K, AD0O, HP1AC, K0CVD,  
K0FRP, K0VVV, K1JKS, K1INIT, K2PEQ, K3LNZ, K4BAI,  
K4HMX, K6IR, K7SLI, K8CV, K8NN, K9LJN, K9UIY,  
KA1XN, KA3DBN, KC9AL, KD7SO, KJ4BK, KJ4VH, KJ8M,  
KM4KJ, KM9J, KN7K, KV0Q, KV4AM, N0EKK, N1HN,  
N2GLH, N2HOS, N4MM, N6AHU, N6AV, NK9Y, NX7K,  
NY4A, VE1ACK, VE3NN, W0CP, W1CYB, W1HH, W1UN,  
W1WAI, W4JVN, W4PSJ, W4VQ, W6JOX, W6QX, W6UQF,  
W8CT, W8KJP, W9DH, WA1NPZ, WA9AQE, WB2UZR,  
WB5MTV, WB8SFF, WC6I, WD9GGY, WW4O, WX7K,  
WY5Q, VS6CT, KT7H, ND9S, K8NEU, KB1XF, AA6LF,  
wdx9JUG, NS7Z, K1RH, XE1L, K7OWL, HA8UB, PP5AS,  
YB0MP, K5HUT, W9NNC, DXNS, DXPress, and NCDXC.  
(Thanks to each and every one! -ed.)